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MISSION COVERAGE STATISTICS

KH-4 MISSION IIII-2

29 JULY - 10 AUGUST 1970

TCS-20371/70

AUGUST 1970

COPY **209**

15 PAGES

MCS-010/70

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INTRODUCTION

This publication provides preliminary mission data, Greenwich Mean Time of passes, correlation of photographic coverage with WAC Chart Areas, coverage plots, and preliminary data for Mission 1111-2, dated 29 July - 10 August 1970.

Plot sheets are arranged by geographic areas as indicated by the index tabs. Coverage of the Eurasian land mass is divided into days to eliminate illegible overprinting.

Plots for the forward and aft cameras are portrayed as stereoscopic and/or monoscopic passes. Stereo passes will be shown with the forward-looking camera frame numbers inside the pass outline and the corresponding aft-looking camera frame numbers outside the pass outline. In the event of monoscopic coverage, only the frame numbers of the operative camera will appear. The relative location of photographs falling between the numbered frames may be approximated by interpolation.

All frames are indicated on the plot sheets, regardless of water coverage, total cloud cover, or a complete lack of imagery.

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PRELIMINARY MISSION DATA

Mission Number: 1111-2

Launch Date/Time (GMT): 23 July 1970/0125Z

Photo Dates (GMT): 29,30,31 July 1970; 1,2,3,4,5,6,7,8,9,10 August 1970

Recovery Date/Time (GMT): 10 August 1970/2128Z

Operational Photo Passes: 61

Operational Altitude Limits: 86 - 119 Nautical miles

Photo Scale Range: 1:261,288 - 1:362,784

Operational Ground Coverage (Fwd and Aft):

- a. Linear Nautical Miles: 46,064
- b. Square Nautical Miles: 6,909,600

Frames:

a. Operational

Fwd-Looking 2,879
Aft-Looking 2,879

b. Stellar 5,460

c. Index 2,730

Operational Imagery Footage (Fwd and Aft): 14,263

Anomalies: No major anomalies occurred

Vehicle Attitude: Normal

Image Quality:

a. Main Cameras - The image quality is generally good and much of the imagery retains its sharpness at magnifications up to 50 times. However, because of an increase of cloud cover, the overall image quality of Mission 1111-2 is not as good as Mission 1111-1.

b. Stellar and Index Cameras - The stellar and index cameras were operational throughout the mission. The one-inch wide band of plus density lines present on the index record of Mission 1111-1 is also present on Mission 1111-2.

Cloud Free Coverage: Approximately 67 percent of the entire mission is cloud free.

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EURASIA

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AFRICA

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MEMORANDUM FOR: Recipients of TCS-20371/70

SUBJECT: KH-4 Mission 1111-2
Mission Coverage Statistics
Dated August 1970

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page 13 in the report.

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